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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 1

**Complete if Known**

|                        |                       |
|------------------------|-----------------------|
| Application Number     | 10/042,179            |
| Filing Date            | 01/11/2002            |
| First Named Inventor   | Lin, Wei              |
| Group Art Unit         | 2155                  |
| Examiner Name          | Wang, Liang Che A.    |
| Attorney Docket Number | 2000-0672C (1014-202) |

**PUBLISHED U.S. PATENT DOCUMENTS**

| Examiner Initials | Application or Patent Number | Name of Applicant or Patentee | Date of Publication |
|-------------------|------------------------------|-------------------------------|---------------------|
| fw                | 2002/0015404                 | Fisher                        | 7 February 2002     |
|                   | 2002/0061012                 | Thi                           | 23 May 2002         |
|                   | 2002/0131441                 | Trachewsky                    | 19 September 2002   |
|                   | 2004/0114619                 | Park                          | 17 June 2004        |
|                   | 5,572,678                    | Homma                         | 5 November 1996     |
|                   | 5,623,495                    | Eng                           | 22 April 1997       |
|                   | 5,638,371                    | Raychaudhuri                  | 10 June 1997        |
|                   | 5,717,688                    | Belanger                      | 10 February 1998    |
|                   | 5,949,768                    | Citta                         | 7 September 1999    |
|                   | 5,982,748                    | Yin                           | 9 November 1999     |
|                   | 6,034,967                    | Citta                         | 7 March 2000        |
|                   | 6,115,390                    | Chuah                         | 5 September 2000    |
|                   | 6,119,214                    | Dirks                         | 12 September 2000   |
|                   | 6,262,976                    | McNamara                      | 17 July 2001        |
|                   | 6,317,438                    | Trebes                        | 13 November 2001    |
|                   | 6,366,577                    | Donovan                       | 2 April 2002        |
|                   | 6,377,548                    | Chuah                         | 23 April 2002       |
|                   | 6,411,611                    | van der Tuijn                 | 25 June 2002        |

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|   |      | Group Art Unit           | 2155                  |
|   |      | Examiner Name            | Wang, Liang Che A.    |
| Sheet 2   | of 2 | Attorney Docket Number   | 2000-0672C (1014-202) |

| PUBLISHED U.S. PATENT DOCUMENTS |                              |                               |                     |
|---------------------------------|------------------------------|-------------------------------|---------------------|
| Examiner Initials               | Application or Patent Number | Name of Applicant or Patentee | Date of Publication |
| Lin                             | 6,452,915                    | Jorgensen                     | 17 September 2002   |
|                                 | 6,532,279                    | Goodman                       | 11 March 2003       |
|                                 | 6,538,989                    | Carter                        | 25 March 2003       |
|                                 | 6,563,793                    | Golden                        | 13 May 2003         |
|                                 | 6,563,816                    | Nodoushani                    | 13 May 2003         |
|                                 | 6,567,408                    | Li                            | 20 May 2003         |
|                                 | 6,567,416                    | Chuah                         | 20 May 2003         |
|                                 | 6,587,453                    | Romans                        | 1 July 2003         |
|                                 | 6,597,682                    | Kari                          | 22 July 2003        |
|                                 | 6,600,744                    | Carr                          | 29 July 2003        |
|                                 | 6,625,156                    | Shaio                         | 23 September 2003   |
|                                 | 6,628,629                    | Jorgensen                     | 30 September 2003   |
|                                 | 6,640,248                    | Jorgensen                     | 28 October 2003     |
|                                 | 6,674,765                    | Chuah                         | 6 January 2004      |
|                                 | 6,704,321                    | Kamiya                        | 9 March 2004        |
|                                 | 6,704,932                    | Matsunaga                     | 9 March 2004        |
|                                 | 6,728,365                    | Li                            | 27 April 2004       |
|                                 | 6,731,627                    | Gupta                         | 4 May 2004          |

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Sheet 3 of 3

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## PUBLISHED U.S. PATENT DOCUMENTS

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|-------------------|------------------------------|-------------------------------|---------------------|
| Lin               | 6,738,361                    | Immonen                       | 18 May 2004         |
|                   | 6,741,576                    | Alimi                         | 25 May 2004         |
|                   | 6,747,968                    | Seppala                       | 8 June 2004         |
|                   | 6,754,176                    | Gubbi                         | 22 June 2004        |
|                   | 6,765,872                    | Tazaki                        | 20 July 2004        |
|                   | 6,778,549                    | Keller                        | 17 August 2004      |
|                   | 6,778,646                    | Sun                           | 17 August 2004      |
|                   | 6,785,252                    | Zimmerman                     | 31 August 2004      |
|                   | 6,788,950                    | Raissinia                     | 7 September 2004    |
|                   | 6,804,222                    | Lin                           | 12 October 2004     |
|                   | 6,850,981                    | Ho                            | 1 February 2005     |
|                   | 6,862,270                    | Ho                            | 1 March 2005        |
|                   | 6,862,280                    | Bertagna                      | 1 March 2005        |
|                   | 6,862,630                    | Garg                          | 1 March 2005        |
|                   | 6,868,072                    | Lin                           | 15 March 2005       |
|                   | 6,877,043                    | Mallory                       | 5 April 2005        |
|                   | 6,882,634                    | Bagchi                        | 19 April 2005       |
|                   | 6,888,844                    | Mallory                       | 3 May 2005          |

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|-------------------|------------------------------|-------------------------------|---------------------|
| Lu                | 6,891,881                    | Trachewsky                    | 10 May 2005         |
|                   | 6,898,204                    | Trachwesky                    | 24 May 2005         |
|                   | 6,907,066                    | Nayler                        | 14 June 2005        |
|                   | 6,909,725                    | Chow                          | 21 June 2005        |
|                   | 6,925,089                    | Chow                          | 2 August 2005       |
|                   | 6,928,057                    | Bullman                       | 9 August 2005       |
|                   | 6,940,918                    | Nayler                        | 6 September 2005    |
|                   | 6,947,438                    | Chang                         | 20 September 2005   |
|                   | 6,947,480                    | Beale                         | 20 September 2005   |
|                   | 6,950,397                    | Ho                            | 27 September 2005   |
|                   | 6,954,800                    | Mallory                       | 11 October 2005     |
|                   | 6,963,545                    | Ho                            | 8 November 2005     |
|                   | 6,970,422                    | Ho                            | 29 November 2005    |
|                   | 6,973,094                    | Holloway                      | 6 December 2005     |
|                   | 6,975,655                    | Fischer                       | 13 December 2005    |
|                   | 6,999,442                    | Ho                            | 14 February 2006    |
|                   | 7,031,274                    | Sherman                       | 18 April 2006       |

**FOREIGN PATENT DOCUMENTS**Examiner  
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|   |                        | Examiner Name            | Wang, Liang Che A. |
| Sheet 5 of 5  | Attorney Docket Number | 2000-0672C (1014-202)    |                    |

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|-------------------|------------------------------|-------------------------------|---------------------|
|                   | JP 02072736A                 | Kurokawa                      | 13 March 1990       |

| NON-PATENT DOCUMENTS |   |
|----------------------|---|
| Examiner Initials    | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                           |
| In                   | AMODEI, AURELIO et al., "Increasing the Throughput of the HomePNA MAC Protocol", IEEE, Proceedings of the 29th Annual IEEE International Conference on Local Computer Networks (LCN '04), 1 November 2004, 8 page(s)  |
|                      | Braden, R., "Resource Reservation Protocol (RSVP)", Internet Engineering Task Force, 1 September 1997, 1-112 page(s), Vol. RFC 2205, www.ietf.org   |
|                      | Cali, "Capacity Analysis and Protocol Enhancement", IEEE 802.11, 8 page(s), IEEE, Italy   |
|                      | DAVIES, NIGEL and RAVERDY, PIERRE-GUILLAUME, "Position Paper: The Role of Platforms and Operating Systems in Supporting Home Networks", Proceedings of the 9th Workshop on ACM SIGOPS European Workshop: Beyond the PC: New Challenges for the OS, 1 September 2000, 6 page(s), ACM Press |
|                      | Deng, Jiunn, "A Priority Scheme for IEEE 802.11 DCF Access Method", IEICE Trans. Commun., 1 January 1999, 7 page(s), Vol. E82-B/1   |
|                      | Ho, Jin-Meng, "Centralized Contention and Reservation Request for QOS-Driven Wireless LANS", U.S. Patent Application Number 09/617,439, 14 July 2000, 77 page(s), US  |
|                      | Ho, Jin-Meng, "Enhanced Channel Access Mechanisms for QOS-Driven Wireless LANS", U.S. Patent Application Number 09/616,885, 14 July 2000, 76 page(s), US  |
|                      | Ho, Jin-Meng, "Multipoll for QOS-Driven Wireless LANS", U.S. Patent Application Number 09/616,884, 14 July 2000, 72 page(s), US   |
|                      | Ho, Jin-Meng, "RSVP/SBM Based Up-Stream Session Setup, Modification, and Teardown for QOS-Driven Wireless LANS", U.S. Patent Application Number 09/616,878, 14 July 2000, 82 page(s), US  |
|                      | Ho, Jin-Meng, "Virtual Streams for QOS-Driven Wireless LANS", U.S. Patent Application Number 09/617,083, 14 July 2000, 69 page(s), US   |

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| Sheet 6   | of 6 | Attorney Docket Number   | 2000-0672C (1014-202) |

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|--|--|
|  | U.S. Patent Application number 10/042,142, Filed 11 January 2002, Lin, "Enhanced Channel Access Mechanisms for an HPNA Network", 75 page(s)  |
|  | U.S. Patent Application number 10/042,143, Filed 11 January 2002, Lin, "Enhanced Channel Access Mechanisms for an HPNA Network", 52 page(s)  |
|  | U.S. Patent Application number 10/042,165, Filed 11 January 2002, Lin, "Enhanced Channel Access Mechanisms for an HPNA Network", 51 page(s)  |
|  | U.S. Patent Application number 10/042,166, Filed 11 January 2002, Lin, "Enhanced Channel Access Mechanisms for an HPNA Network", 66 page(s)  |
|  | U.S. Patent Application number 11/256,598, Filed 21 October 2005, Lin, "Enhanced Channel Access Mechanisms for an HPNA Network", 53 page(s)  |
|  | U.S. Patent Application number 11/398,297, Filed 5 April 2006, Lin, "Enhanced Channel Access Mechanisms for an HPNA Network", 53 page(s)   |
|  | Yavatkar et al., "SBM: A Protocol for RSVP-based Admission Control over IEEE 802-style networks", Internet Engineering Task Force, 1 May 2000, 60 page(s), Vol. RFC 2814, Network Working Group, |
|  | Zhijun, Gong, "QoS Guaranteed Wireless Lan", ICCT '98, 22 October 1998, 5 page(s), International Conference on Communication Technology, China   |

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